

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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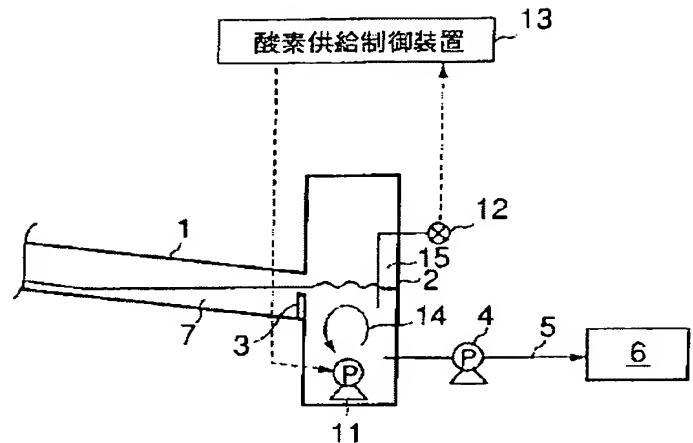
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APPLICANT : TOSHIBA CORP;

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TITLE : WATER QUALITY CONTROL APPARATUS OF SEWERAGE EQUIPMENT



ABSTRACT : PROBLEM TO BE SOLVED: To provide a water quality control apparatus of a sewerage equipment capable of suppressing not only the generation of hydrogen sulfide being a malodorous substance but also the reduction of organic matter for effectively removing nitrogen and phosphorus.

SOLUTION: The sewage 7 in a pump #2 arranged on the upstream side of a sewage disposal plant 6 is sent to the sewage disposal plant 6 by a storage pump 4. An underwater pump 11 for supplying oxygen into the sewage 7 is provided in the pump #2. A DO meter 12 is arranged in the pump #2 and the signal from the DO meter 12 is sent to an oxygen supply control device 13. The oxygen control device 13 controls the underwater pump 11 so as to hold DO of the sewage 7 in the pump #2 to a predetermined value.

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